# 0000000000000

## SENATORS AND OFFICERS POST-TRAVEL DISCLOSURE OF TRAVEL EXPENSES

RECEIVED

SECRETARY OF THE SENATE
PUBLIC RECORDS

This disclosure, along with a copy of the Private Sponsor Travel Certification Form and all 2017 OCT 24 PM 12: 24 attachments, MUST be provided to the Office of Public Records, Room 232 of the Hart Building, within 30 days after the travel is completed. Sen. Richard Durbin In compliance with Rule 35.2(a) and (c), I \_\_\_\_\_ \_\_\_\_, make the following (Name of Senator/Officer) disclosures with respect to travel expenses that have been or will be reimbursed/paid for me. The Aspen Institute, Inc. (Congressional Program) Private Sponsor(s) (list all): August 9, 2017-August 15, 2017 Travel date(s): Oslo, Norway
Destination(s):\_\_\_\_\_ Loretta Durbin Name of accompanying family member (if any): Relationship to Member/Officer: Spouse ☐ Child FILL IN THE APPROPRIATE LINES. IF THE COST OF LODGING DID NOT INCREASE DUE TO THE ACCOMPANYING SPOUSE OR DEPENDENT CHILD, ONLY INCLUDE LODGING COSTS IN EMPLOYEE EXPENSES. (Attach additional pages if necessary.)

Expenses for Senator/Officer:

	Transportation Expenses	Lodging Expenses	Meal Expenses	Other Expenses (Amount & Description)
⊠ Good Faith Estimate □ Actual Amount	\$6,770	\$705	\$625	\$1,084 - meeting room expenses and conference fees

Expenses for Accompanying Spouse or Dependent Child (if applicable)

-	Transportation	Lødging	Meal	Other Expenses
	Expenses	Expenses	Expenses	(Amount & Description)
⊠ Good Faith Estimate □ Actual Amount	\$6,770	-0-	\$625	\$1,084- meeting room expenses and conference fees

Provide a description of all meetings and events attended. See Scnate Rule 35.2(c)(6). (Attach additional pages if necessary.): See attended.

I HAVE MADE A DETERMINATION THAT THE TRAVEL DESCRIBED ABOVE WAS IN CONNECTION WITH MY DUTIES AS AN OFFICEHOLDER, AND DID NOT CREATE THE APPEARANCE THAT I WAS USING PUBLIC OFFICE FOR PRIVATE GAIN.





Dan Glickman

**Executive Director** 

Congressional Program

The Honorable Richard Durbin United States Senate Washington, DC 20510

Dear Dick:

I would like to invite you and Loretta to participate in a congressional conference on *Energy for America: Opportunities, Challenges, and Solutions*, August 9-15, 2017, in Oslo, Norway, during the August recess. We have limited space and must hear from you proactively as soon as possible if you wish to participate.

March 20, 2017

my forette.

The energy picture has changed considerably in recent years. Technological advances have expanded production, making the U.S. the world's largest oil producer, which has kept prices down and lessened the role of traditional oil-producing countries. At the same time, efficiencies of scale have made renewable energy use more prominent. Major changes in the auto industry are underway that will have significant impact on energy consumption in the future. All these issues and more will be analyzed in a comprehensive four-day focus reflected on the attached agenda outline, drawing policy examples when appropriate from the experience of Norway, a major oil & gas producer, yet also in the forefront on electric vehicles and renewable energy. The agenda is attached.

We will have a mix of contributors from Norway as well as prominent American and European scholars to assist our discussions. Attendance is by invitation only, with no outside observers, lobbyists, or congressional staff. Funding is provided solely by grants from foundations—no government, individual, corporate or special interest funds are accepted.

Under guidelines established by the Senate Select Ethics Committee, we will provide you with a signed Private Sponsor Travel Certification Form affirming that no lobbyists fund this activity, that the Aspen Institute does not hire or retain lobbyists, and that no lobbyists will be present. Our purpose is education, not advocacy.

This program is designed for Members of both the Senate and the House. Please note that because the House has adopted rules that preclude registered lobbyists from attending our events, if your accompanying spouse of family member is a registered lobbyist, the rules would bar their participation.

Departure will be on Wednesday, August 9<sup>th</sup> and we will return on Tuesday, August 15<sup>th</sup>. Should you accept the invitation, it is required that you participate through the duration of the conference.

One Dupont Circle, NW

Suite 700

Washington, DC 20036-1133

PH 202.736.5825

EX 202.785-2737

ww.aspeninstitute.org

The Honorable Richard Durbin March 20, 2017 Page Two

Expenses for you and Loretta, including business class airfare on a carrier with whom we have negotiated a fare, lodging and meals will be paid by the Aspen Institute Congressional Program. Under the ethics rules, no expenses are covered for entertainment or recreation. Congressional participants are limited to only one accompanying family member.

N.

The Aspen Institute, an independent, nonprofit organization founded in 1950, provides a nonpartisan, neutral forum for leaders to discuss critical issues. The Institute's Congressional Program is designed to promote leadership on selected public policy issues in the Congress by bringing legislators together with internationally-recognized scholars and analysts in high-level discussion. Since the program's inception, over 410 Members of Congress have participated in the 133 conferences we have conducted.

Enclosed is a fact sheet on the program. In addition to answering any questions you may have, it has proven to be useful in responding to public and press inquiries.

Additionally, we hold breakfast meetings in the Capitol throughout the year to keep Members of Congress up-to-date between our annual conferences. We hope you will be able to participate in the extended educational offerings of our breakfast series.

If you have any questions, please feel free to call me at 202-736-5825. I hope you and Loretta will join us for this important conference.

Sincerely,

Dan Glickman

Enclosures

### ENERGY for AMERICA:

#### Opportunities, Challenges, and Solutions.

THE ASPEN INSTITUTE CONGRESSIONAL PROGRAM Agenda overview as of 3/17/2017 Oslo, Norway

August 9-15, 2017

\*\*DRAFT TENTATIVE AGENDA\*\*

#### WEDNESDAY, August 9:

American participants travel to Norway

#### THURSDAY, August 10:

All participants arrive **Evening Dinner** 

#### FRIDAY, August 11:

Roundtable Discussion (9-11):

#### **NORWAY'S UNIQUE APPROACH TO ENERGY: ARE EXAMPLES APPLICABLE FOR THE U.S.?**

Two Norwegian Experts to be determined:

A Statoil executive, tbd

A Norwegian energy analyst, tbd

#### Roundtable Discussion (11-1):

#### **ENERGY AND TECHNOLOGY:**

WHAT ARE THE BIG TRENDS AND WHAT DO THEY **MEAN FOR THE WORLD?** THE STATUS AND PROSPECTS FOR OIL, COAL,

NATURAL GAS, SOLAR, WIND, NUCLEAR, & ENERGY EFFICIENCY.

Eric Beinhocker, Executive Director, Institute of the New Economic Thinking, University of Oxford (confirmed) Arun Majumdar, Director, Precourt Institute for Energy, Stanford University; former Founding Director of Advanced Research Projects Agency-Energy (confirmed)

Afternoon Educational Site Visit

#### SATURDAY, August 12:

Roundtable Discussion (9-1):

MARKET FORCES, CLIMATE CHANGE, AND THE **GEOPOLITICS OF ENERGY:** 

THE CHANGING ROLE OF OPEC, IMPLICATIONS OF DECLINING DEPENDENCY ON THE MIDDLE EAST AND U.S. POTENTIAL FOR ENERGY INDEPENDENCE

General James Conway, former Commandant of the Marine Corps, retired Four-Star General who led operations in Iraq (confirmed)

Amy Myers Jaffe, Executive Director, Energy & Sustainability, UC-Davis (confirmed)

Luncheon Discussion

#### THE CHANGING GLOBAL ENERGY PICTURE: A CORPORATE VIEWPOINT

Charles O. "Chad" Holliday, Board Chairman, Royal Dutch Shell (invited)

#### SUNDAY, August 13:

Roundtable Discussion (9-11):

POLICIES THAT WORK: HOW TO DESIGN ENERGY POLICIES THAT MEET U.S. GOALS; **KEY DESIGN PRINCIPALS TO MAXIMIZE** PRODUCTION, EFFICIENCY AND INVESTMENT; AND THE ROLE OF RESEARCH AND DEVELOPMENT

Hal Harvey, Chief Executive Officer, Energy Innovation, San Francisco (confirmed)

Roundtable Discussion (11-1):

THE FUTURE GRID AND HOW TO MAKE IT MORE RELIABLE, CLEANER AND AFFORABLE: LESSONS FROM TEXAS AND CALIFORNIA

Steve Berberich, Chief Executive Officer, California Independent System Operator, Folsom, CA (confirmed)

#### MONDAY, August 14:

Roundtable Discussion (9-1):

TRANSFORMING VEHICLES AND ENERGY NEEDS OF TRANSPORTATION: HOW WILL THE ELECTRIC **VEHICLE REVOLUTION PROCEED? CAN TRUCKING** FLEETS BE CONVERTED? WHAT IS THE ROLE FOR **AUTONOMOUS VEHICLES AND THEIR ENERGY IMPACT?** 

Ulrich Eichhorn, Director of Research & Development, Volkswagen Group, Wolfsburg, Germany (invited) Drew Kodjak, Executive Director, International Council on Clean Technology, Washington, DC (confirmed)

Meeting with Norway's Premier (to be requested)

TUESDAY, August 15: All participants return to USA

 $\odot$ 



#### **FACT SHEET**

The Aspen Institute Congressional Program is a nongovernmental, nonpartisan educational program for members of the U.S. Congress. It provides lawmakers with a stronger grasp of critical public policy issues by convening high-level conferences in which legislators are brought together with internationally recognized academics, experts and leaders to study their ideas and to explore various policy alternatives. Political neutrality is essential to the educational mission of the program. There is no identification with a political or party viewpoint and no endorsement of specific legislation. Its Executive Director is former Agriculture Secretary Dan Glickman and its founder was former Senator Dick Clark. Projects focusing on U.S. policy challenges in 2017 will include: U.S.-Russia Relations, America's Interests in Asia; India's Emergence and Development Challenges, and Energy Policy Opportunities.

- Participation. Since the program's inception, 410 members of Congress (including 35% of the current Congress), 194 international parliamentarians, political and government leaders, and 921 scholar/experts have been involved. Participation is limited to these individuals, their spouses and foundation representatives. No lobbyists, congressional staff or outside observers are permitted.
- Funding. Since its inception, the Congressional Program has been funded solely by established foundations. Funding is not accepted from lobbyists, governments, corporations, private citizens or special interests; and honoraria are not paid to members of Congress or scholars. Legislators feel free to engage openly because of their confidence in the integrity of the program. In 2017, funding is provided by the following foundations: Carnegie Corporation (foundation) of New York, The Democracy Fund, the Energy Foundation, the Ford Foundation, the Bill and Melinda Gates Foundation, the Heising-Simons Foundation, the William and Flora Hewlett Foundation, the Henry Luce Foundation, the John D. and Catherine T. MacArthur Foundation, the Rockefeller Foundation, Rockefeller Brothers Fund, and the Sasakawa Peace Foundation, USA.
- Ethics: The Congressional Program is in full compliance with the rules adopted by the House in 2007, and also conforms to provisions in the "Honest Leadership and Open Government Act of 2007." Lobbyists have no role whatsoever: they do not plan, fund, or participate in program activities. The Aspen Institute does not employ or retain registered lobbyists. All conference agendas are reviewed by the House and Senate ethics committees.
- Venues. Members of Congress face massive demands on their time. Convening
  conferences outside Washington gives lawmakers an opportunity to devote time, over
  a four-day period, for serious learning and reflection without interruption. To
  supplement the annual conferences, 20-25 breakfast meetings are held each year in
  the Capitol featuring distinguished scholars and international experts with both
  academic and practical experience on program topics.

#### PRIVATE SPONSOR TRAVEL CERTIFICATION FORM

This form must be completed by any private entity offering to provide travel or reimbursement for travel to Senate Members, officers, or employees (Senate Rule 35, clause 2). Each sponsor of a fact-finding trip must sign the completed form. The trip sponsor(s) must provide a copy of the completed form to each invited Senate traveler, who will then forward it to the Ethics Committee with any other required materials. The trip sponsor(s) should NOT submit the form directly to the Ethics Committee. Please consult the accompanying instructions for more detailed definitions and other key information.

The Senate Member, officer, or employee MUST also provide a copy of this form, along with the appropriate travel authorization and reimbursement form, to the Office of Public Records (OPR), Room 232 of the Hart Building, within thirty (30) days after the travel is completed.

Spo	nsor(s) of the trip (please list all sponsors):
The	Aspen Institute, Inc (Congressional Program)
Des	cription of the trip:
Ene	ergy for America: Opportunities, Challenges & Solutions
Dat	es of travel:
	ce of travel:
Nai	ne and title of Senate invitees: Sen. Durbin and Mrs. Durbin; Sen. Carper and Mrs. Carper
l ce	rtify that the trip fits one of the following categories:
X	(A) The sponsor(s) are not registered lobbyists or agents of a foreign principal <u>and</u> do not retain or employ registered lobbyists or agents of a foreign principal <u>and</u> no lobbyist or agents of a foreign principal will accompany the Member, officer, or employee at any point throughout the trip.
	(B) The sponsor or sponsors are not registered lobbyists or agents of a foreign principal, but retain or employ one or more registered lobbyists or agents of a foreign principal and the trip meets the requirements of Senate Rule 35.2(a)(2)(A)(i) or (ii) (see question 9).
×	I certify that the trip will not be financed in any part by a registered lobbyist or agent of a foreign principal.
X	I certify that the sponsor or sponsors will not accept funds or in-kind contributions earmarked directly or indirectly for the purpose of financing this specific trip from a registered lobbyist or agent of a foreign principal or from a private entity that retains or employs one or more registered lobbyists or agents of a foreign principal.
I c	ertify that:
X	The trip will not in any part be planned, organized, requested, or arranged by a registered lobbyist or agent of a foreign principal except for de minimis lobbyist involvement. $\frac{1}{4} = \frac{1}{4} = \frac{1}{4$
X	The traveler will not be accompanied on the trip by a registered lobbyist or agent of a foreign principal except as provided for by Committee regulations relating to lobbyist accompaniment (see question 9).

9.	USE ONLY IF YOU CHECKED QUESTION 6(B)  I certify that if the sponsor or sponsors retain or employ one or more registered lobbyists or agents of a foreign principal, one of the following scenarios applies:
	(A) The trip is for attendance or participation in a one-day event (exclusive of travel time and one overnight stay) and no registered lobbyists or agents of a foreign principal will accompany the Member officer, or employee on any segment of the trip.
	(B) The trip is for attendance or participation in a one-day event (exclusive of travel time and two overnight stays) and no registered lobbyists or agents of a foreign principal will accompany the Member, officer, or employee on any segment of the trip (see questions 6 and 10). ∴ OR ∴ OR ∴
	(C) The trip is being sponsored only by an organization or organizations designated under § 501(c)(3) of the Internal Revenue Code of 1986 and no registered lobbyists or agents of a foreign principal will accompany the Member, officer, or employee at any point throughout the trip.
10.	USE ONLY IF YOU CHECKED QUESTION 9(B)  If the trip includes two overnight stays, please explain why the second night is practically required for Senate invitees to participate in the travel:
11.	An itinerary for the trip is attached to this form. I certify that the attached itinerary is a detailed (hourby-hour), complete, and final itinerary for the trip.
12.	Briefly describe the role of each sponsor in organizing and conducting the trip:
	The AICP developed the agenda, planned the travel and the conference, and invited the participants.
	·
13.	Briefly describe the stated mission of each sponsor and how the purpose of the trip relates to that mission:
	The AICP's purpose is to provide non-partisan educational forums for members of Congress. This forum
	will take an indepth look at US energy opportunities, challenges and solutions and also applicable lessons
	learned from Norway and that country's energy policies.
14.	Briefly describe each sponsor's prior history of sponsoring congressional trips:
	The AICP has a 34-year history of conducting non-partisan education forums for members of the
	US Congress
	·
	·

ĽΩ
<b>!</b>
<b>Ç</b> Ş
Ø
$\odot$
$\odot$
$\odot$
$\Box$
(2)
$\odot$
$\odot$
Ç

The AICP organizes and sponsors 25 breakfast meetings per year in the US Capitol as a neutral convenor to allow members of Congress to hear from recognized experts on a range of policy issues.					
convenor to allow me	embers of Congress to r	near from recognized	expens on a range of	policy issues.	
Total Expenses for E	ach Participant:				
	Transportation Expenses	Longing Expenses	Meal Expenses	Otlier Expenses	
Good Faith estimate	\$5,000 for the senator \$5,000 for senator's spouse	\$704 for the senator; \$0 for senator's spouse	\$625 for the senator; \$625 for senator's spouse  Meal expenses are \$125 per	\$1084 meeting for senator \$1084 meeting	
Actual Amounts			person per day	for spouse	
participation or b) the congressional partici		that is arranged or or	rganized <i>specifically v</i>	to congressiona vith regard to	
participation or b) the congressional partici	e trip involves an event	that is arranged or or	rganized <i>specifically v</i>	to congressiona vith regard to	
participation or b) the congressional participation.  The conference is or	e trip involves an event ipation:	that is arranged or or members of Congres	rganized <i>specifically v</i>	to congressiona vith regard to	
Participation or b) the congressional participation.  The conference is or Reason for selecting	trip involves an event pation: ganized specifically for	that is arranged or or members of Congres	rganized <i>specifically v</i>	vith regard to	
participation or b) the congressional participation.  The conference is or Reason for selecting.  Norway is at the forest	the location of the even	that is arranged or or members of Congress  t or trip  gy strategies and me	eting there facilitates	participation of	
participation or b) the congressional participation.  The conference is or Reason for selecting. Norway is at the fore Norwegian scholars.	the location of the ever efront of innovative energand experts to provide	members of Congres  tor trip  gy strategies and me	eting there facilitates	participation of	
participation or b) the congressional participation.  The conference is or Reason for selecting. Norway is at the fore Norwegian scholars.	the location of the ever efront of innovative energy and experts to provide and experts to provide	members of Congres  tor trip  gy strategies and me	eting there facilitates	participation of	
Participation or b) the congressional participation.  The conference is or Reason for selecting. Norway is at the fore Norway is at the fore Norwegian scholars.  Name and location of the congressional participation of the conference is or t	the location of the ever efront of innovative energy and experts to provide and experts to provide	members of Congres  tor trip  gy strategies and me	eting there facilitates	participation of	
Participation or b) the congressional participation.  The conference is or Reason for selecting. Norway is at the fore Norwegian scholars.  Name and location of Grand Hotel - Oslo,.  Reason(s) for selections.	the location of the ever efront of innovative energy and experts to provide and experts to provide	that is arranged or or members of Congression or tripergy strategies and mean in-depth analysis of facility:	eting there facilitates of their energy policies	participation of	

Ι	escribe how the daily expenses for lodging, meals, and other expenses provided to trip participants ompares to the maximum per diem rates for official Federal Government travel:
7	the May 1, 2017, published per diem rate for Oslo = \$145 for lodging; \$128 for meals; total \$273. The
-	conference per diem lodging is \$141; conference per diem meals is \$125; total = \$266
-	
(	Describe the type and class of transportation being provided. Indicate whether coach, business-class or firs class transportation will be provided. If first-class fare is being provided, please explain why first-class ravel is necessary:
	Business class travel
	I represent that the travel expenses that will be paid for or reimbursed to Senate invitees do not include expenditures for recreational activities, alcohol, or entertainment (other than entertainment provided to all attendees as an integral part of the event, as permissible under Senate Rule 35).  List any entertainment that will be provided to, paid for, or reimbursed to Senate invitees and explain why the entertainment is an integral part of the event:  None
	None .
	I hereby certify that the information contained heroin is true, complete and correct. (You must include the completed signature block below for each travel sponsor.):  Signature of Travel Sponsor:  Dan Glickman, VP-Aspen Institute; Executive Director-Congressional Program
	Name and Title: The Aspen Institute, Inc. (Congressional Program)  Name of Organization:
	1 Dunont Circle, NW, Washington, DC 20036
	Address:
	Fax Number:
	E-mail Address:

# ENERGY FOR AMERICA: OPPORTUNITIES, CHALLENGES, AND SOLUTIONS

Agenda overview as of 8/23/2017 THE ASPEN INSTITUTE CONGRESSIONAL PROGRAM
August 9-15, 2017 Oslo, Norway

#### **SATURDAY, August 5:**

Sen. Dick Durbin and Mrs. Durbin depart Chicago at 9:05 pm on Scandinavian Airlines Flight 946.

#### **SUNDAY, August 6:**

Sen. Dick Durbin and Mrs. Durbin arrive in Stockholm at 11:05 am and continue travel at personal expense.

#### **MONDAY, August 7:**

Sen. Dick Durbin and Mrs. Durbin continue travel at personal expense.

#### **TUESDAY, August 8:**

Sen. Dick Durbin and Mrs. Durbin continue travel at personal expense.

#### **WEDNESDAY, August 9:**

American participants depart the USA

Sen. Dick Durbin and Mrs. Durbin continue travel at personal expense.

#### THURSDAY, August 10:

All participants arrive in Oslo between 12:00-4:30 pm.

Sen. Dick Durbin and Mrs. Durbin depart Stockholm via train at personal expense and arrive in Oslo and join the conference.

6:30-8:30 pm Working Dinner

Seating is arranged to expose participants to a diverse range of views and provide opportunity for a meaningful exchange of ideas. Scholars and lawmakers are rotated daily. Discussion will focus on the opportunities,

challenges and potential solutions regarding energy policy.

#### FRIDAY, August 11:

7:30-9:00 am Breakfast is available to all participants

8:00 am Scholars-Only Breakfast Meeting to Review Conference Format

9:00 am INTRODUCTION AND FRAMEWORK OF THE CONFERENCE

Dan Glickman, Executive Director, Aspen Institute Congressional Program

9:15 am Roundtable Discussion

HOW A MAJOR OIL COMPANY POSITIONS ITSELF IN A WORLD OF LOW OIL PRICES, RAPIDLY CHANGING TECHNOLOGY, AND

**PUBLIC POLICY DEMANDS** 

Statoil is one of the world's largest and most successful oil companies, with outstanding technological and operating resources, and special skills and experience in deep offshore oil. The government of Norway is a majority shareholder. But it is facing major challenges, as oil prices have been soft for years, demand in many nations seems to have peaked, and the world is moving to low-carbon energy sources. Indicative of changing trends, Statoil, which has investments in off-shore wind generation, recently announced that it would increase investments in renewables from 5% to 15-20% of its mix.

- How can Statoil prosper in a low oil price world?
- What role do oil companies have in renewable energy?
- Is "peak oil" real? Will it be driven by peak demand or peak supply?
- Will all of the world's oil eventually be consumed? Does it matter if a proportion of the world's oil will be "stranded"—left in the ground?
- How is Statoil positioning for the future given the low price of oil and the growing demand for low-carbon energy?
- What is Statoil's perspective on climate change?

Eldar Saetre, CEO, Statoil, Stavanger, Norway

11:00 am

Break

11:15 am

Roundtable Discussion

**ENERGY AND TECHNOLOGY:** 

WHAT ARE THE BIG TRENDS AND WHAT DO THEY MEAN FOR THE WORLD?

WHAT ARE THE STATUS AND PROSPECTS FOR OIL, NATURAL GAS, COAL, SOLAR, WIND, NUCLEAR, & ENERGY EFFICIENCY?

Our energy options depend on our technology: A diverse menu of technologies provides a rich menu of choices of energy for transportation, electricity, home heating, and industry. Technology development depends on a complex mixture of (a) market demand; (b) public policy; (c) government and private research & development (R&D); and (d) innovation ecosystems.

- What are the trends in technology development—in conventional and new energy sources; and are they driven by the private sector or by government-sponsored research?
- How do technology prices differ in character from commodity prices? What are the implications of recent price trends?
- How have today's energy technologies been impacted by public policy-including, e.g., directional drilling, fracking, nuclear power, solar, and wind.

- What policy strategies can rapidly accelerate new energy technology? What are the most fruitful or necessary new frontiers in energy technology?
- What are the best practices for federal energy R&D? What is working? What is missing? Are the magnitudes correct? Can federal policy incentivize privately funded research?
- How can utilities effectively deal with the intermittency issue of supply of renewable power (depending on the wind and the sun), given the constant demand for electricity from consumers?
- How crucial is development of better battery storage power to a successful Electric Vehicle (EV) evolution, and does this have promise?
- Will technology provide a gateway for clean coal and carbon sequestration?
- Why is nuclear power on the decline in the U.S. while its use is expanding in Asia?

**Eric Beinhocker**, Executive Director, Institute of the New Economic Thinking, University of Oxford

**Arun Majumdar**, Director, Precourt Institute for Energy, Stanford University; former Founding Director of Advanced Research Projects Agency-Energy

1:00-2:30 pm

Working Luncheon

## NORWAY'S UNIQUE APPROACH TO ENERGY POLICY CHALLENGES

Norway has made a series of deliberate moves to decarbonize and strengthen its economy at the same time, and has also played an outsized role in global efforts to reduce deforestation. Norway's grid is now 95% carbon-free, its building stock is the most efficient (for new construction) in the world, and its adoption of electric vehicles is now the highest. The country's sovereign wealth fund, created by its oil resources, has had a significant impact in these developments. These policies, and Norway's international engagement, have allowed the country to prosper as it drives an energy transition.

Vidar Helgesen, Norway's Minister of Climate and Environment

3:00-4:30 pm

Individual Discussions

Members of Congress and scholars meet individually to discuss U.S. energy policy. Scholars available to meet individually with members of Congress for in-depth discussion of ideas raised in the morning and luncheon sessions include Eldar Saetre, Eric Beinhocker, Arun Majumdar and Vidar Helgesen.

6:30-8:30 pm

Working Dinner

Scholars and members of Congress will explore topics covered in the conference. Seating is arranged to expose participants to a diverse range of views and provide opportunity for a meaningful exchange of ideas. Scholars and lawmakers are rotated daily. Scholars will discuss with members of Congress their perspective on the successes and failures of Norway's energy policies and anticipated trends in technology and energy.

#### **SATURDAY, August 12:**

7:30-9:00 am Breakfast is available to all participants

9:00 am Roundtable Discussion

# THE INTERNATIONAL FRAMEWORK FOR ENERGY POLICY: THE GEOPOLITICS OF ENERGY, THE CHANGING ROLE OF OPEC, AND ENERGY DIRECTIONS IN EUROPE

Energy can be a cause of both serious economic and national security challenges. The U.S. has suffered recessions from oil embargos and high energy prices, and our national security has been vulnerable to our dependence on Mideast oil. America's appetite for foreign oil has also been a financial lifeline for some unsavory groups and governments. The U.S. has also at times made low cost oil or electricity an economic asset. Europe has a complicated mix of European Union-wide and national energy policies, along with liberalizing energy markets and strong climate targets, and some of these policies may provide applicable lessons for the U.S.

- What are the strategic implications of the current approach to energy policy in the U.S., and how can we better position America in the future?
- .• How is the EU-wide energy trend working out? Is the Energiewende (Germany's energy transition) working, or not?
- How are the geopolitics of energy evolving?
- What kind of energy mix best positions the U.S. economy going forward?
- Has the U.S. already achieved energy independence, and if so, how? Is this sustainable? What are the global implications?
- How have oil imports affected the U.S. strategic position in the Middle East?
- How are U.S. military operations affected by military oil consumptionboth in terms of supply chain logistics and vulnerabilities?
- How will U.S. military capabilities be affected by rising sea levels?

- What are the human migration/ refugee implications of climate change, and how will they affect the political order?
- Is the EU carbon trading system working and are there lessons to be learned?
- Do the Paris climate accords drive energy policy?

Amy Myers Jaffe, Executive Director, Energy & Sustainability, UC-Davis Camilla Bausch, Director, Ecologic Institute, Berlin

Break 11:00 am

Roundtable Discussion Continues 11:15 am

Working Luncheon 1:00-2:30 pm

#### THE CHANGING GLOBAL ENERGY PICTURE: A CORPORATE VIEWPOINT

Shell Oil, the world's second largest publicly traded energy company, faces the dual challenge of weak oil prices and a global demand for new fuels and methods of transportation, including the growth of electric vehicles. How will this oil company evolve? What is the appropriate role for an oil company in this complex environment? How do Shell scenarios position the company for a robust future?

Charles O. "Chad" Holliday, Board Chairman, Royal Dutch Shell

Individual Discussions 3:00-4:30 pm

Members of Congress and scholars meet individually to discuss U.S. energy policy. Scholars available to meet individually with members of Congress for in-depth discussion of ideas raised in the morning and luncheon sessions include Camilla Bausch, Amy Myers Jaffe, and Charles O. "Chad" Holliday.

Working Dinner 6:30-8:30 pm

Seating is arranged to expose participants to a diverse range of views and provide opportunity for a meaningful exchange of ideas. Scholars and lawmakers are rotated daily. Scholars will discuss with Members of Congress the impact of OPEC, and the changing dynamics of energy sources and energy needs.

SUNDAY, August 13:

Breakfast is available to all participants 7:30-8:55 am

Roundtable Discussion 9:00 am

**POLICIES THAT WORK:** 

#### HOW TO DESIGN ENERGY POLICIES THAT MEET U.S. GOALS; KEY DESIGN PRINCIPALS TO MAXIMIZE PRODUCTION, **EFFICIENCY AND INVESTMENT;** AND THE ROLE OF RESEARCH AND DEVELOPMENT

Our energy future is deeply affected by government policy. The U.S. has a complex mix of federal policy, and 50 more brands of state policy—with many inconsistencies and inefficiencies. What kind of policy maximizes the power of the market, accelerates technology, and enables the country to meet its goals of reliable, affordable, and clean energy?

- How can energy policy be set for key national goals rather than to favor one or another technology?
- Many technologies, such as advanced nuclear or fuel cells, are currently non-competitive, but could become so if their prices drop through R&D and early deployment. How should such "learning curves" inform policy?
- How should government subsidies be structured for new technologies so that they can be weaned as quickly as possible? Are subsidies for traditional energy sources still needed? For solar and wind?
- What kinds of performance standards are the best for meeting national policy? Is this an appropriate federal or state role?
- What is the right role for pricing—in the form of taxes, or subsidies, including for example a carbon tax?
- What is the appropriate role for states in energy policy?
- How can the federal government help (or avoid hindering) good state policy?

Hal Harvey, Chief Executive Officer, Energy Innovation, San Francisco

11:00 am

Break

11:15 am

Roundtable Discussion

#### THE FUTURE GRID AND HOW TO MAKE IT MORE RELIABLE, CLEANER AND AFFORABLE: LESSONS FROM CALIFORNIA

The power mix on the national grid is changing rapidly. By 2030, for example, both New York and California will be 50 percent renewables; adding in existing hydro and nuclear will make them 65 percent carbonfree. Variable energy sources require a new operating paradigm. There are some great technologies and techniques—including new power markets—that can help. But these will often require both new wholesale electricity markets, and new business models for utilities.

Is the national grid vulnerable to technical failure or sabotage?

- Does the national grid need an upgrade? If so, what are the roles and responsibilities of utilities and government?
- What are the trends for power supply in California? In the U.S.?
   Are brown-outs on the horizon?
- What are the new challenges faced from a growing renewable energy mix?
- Can the grid run on 50 percent renewable energy? More?
- Are there new technologies that will help manage large-scale renewables? Demand-response? Efficiency? Better grids? Fast-ramping fossil? Batteries or other electricity storage?
- Do wholesale electricity markets need to be restructured?
- If so, what can the federal government do to enable this transition?

**Steve Berberich**, Chief Executive Officer, California Independent System Operator, Folsom, CA

1:00-2:00 pm Working Luncheon

Discussion continues between members of Congress and scholars on the challenges for the U.S. energy policy.

2:30-4:00 pm Individual Discussions

Members of Congress and scholars meet individually to discuss U.S. energy policy. Scholars available to meet individually with members of Congress for in-depth discussion of ideas raised in the morning and luncheon sessions include Hal Harvey and Steve Berberich.

6:30-8:30 pm Working Dinner

Scholars and members of Congress will explore topics covered in the conference. Seating is arranged to expose participants to a diverse range of views and provide opportunity for a meaningful exchange of ideas. Scholars and lawmakers are rotated daily. Scholars and Members of Congress will discuss designing policies to achieve US energy goals and

how to have a reliable and cleaner grid in the future.

#### **MONDAY, August 14:**

7:00-8:00 am Breakfast is available

8:00 am Breakfast Discussion

#### **NORWAY'S ROLE IN ENERGY POLICY**

Norway is uniquely positioned to be a world leader in innovative energy policy. Creation of its sovereign wealth fund, which draws revenue from off-shore oil production, has been a source of funding to spark innovative

approaches to energy policy, leading to a substantial increase in the mix of renewables as well as advanced development of electric vehicles.

Børge Brende, Norway's Foreign Minister

9:00 am

Roundtable Discussion

#### TRANSFORMING VEHICLES AND ENERGY NEEDS OF TRANSPORTATION: HOW WILL THE ELECTRIC VEHICLE REVOLUTION PROCEED?

The auto industry is in the midst of two revolutions at once: electrification and self-driving vehicles. And both are in the context of public health demands for lower conventional pollution, and global demands for lower greenhouse gas emissions. How will this unfold? What is the role for federal policy? With millions of drivers wasting hundreds of hours annually stuck in traffic congestion, there must be more sensible, energy efficient means to move around.

- How fast is electrification of vehicles really moving? What are the hindrances, opportunities, economic and policy challenges?
- Can trucking fleets be converted?
- What is the role for autonomous vehicles and their energy impact?
- Will self-driven cars reduce or increase congestion, pollution, and greenhouse gases?
- How can the auto industry be moved toward a set of real-world emissions standards, and away from the test-focused approach we now follow, with all the defects of those approaches?
- Will the auto industry survive the invasion of Google, Uber, and Apple? Can auto companies keep up with the technological change?
- Will the auto companies face further consolidation?
- What is the role of China, the world's largest auto market, in this transition?
- How essential is required advances in battery technology for wide adoption of electric vehicles? Is installation of a new system of charging stations feasible, and will industry take this on?
- Does the government have a role in incentivizing or accelerating the shift toward these new paradigms? Do federal and state tax credits for electric vehicles make sense? Should electric car owners pay more fees to support infrastructure since they pay less gas taxes? States are reducing their incentives for electric cars—will this affect demand?
- What role do CAFÉ standards play in these changes?

How can the federal government build a set of policies that give clear signals to automakers, steadily drive down pollution, promote new technology, and protect the consumer?

Ulrich Eichhorn, Director of Research & Development,
Volkswagen Group, Wolfsburg, Germany
Drew Kodjak, Executive Director,
International Council on Clean Transportation, Washington, DC

10:30 am	Break
10:45 am	Roundtable Discussion Continues
12:30-1:30 pm	POLICY REFLECTIONS FROM MEMBERS OF CONGRESS
1:30-2:30 pm	Working Luncheon Discussion continues between members of Congress and scholars on the challenges for the U.S. policy on energy and environmental issues.
3:00-4:30 pm	Individual Discussions  Members of Congress and scholars meet individually to discuss U.S. energy policy. Scholars available to meet individually with members of Congress for in-depth discussion of ideas raised in the morning and luncheon sessions include Ulrich Eichhorn and Drew Kodjack.
6:30-8:30 pm	Working Dinner Scholars and members of Congress will explore topics covered in the conference. Seating is arranged to expose participants to a diverse range of views and provide opportunity for a meaningful exchange of ideas. Scholars and lawmakers are rotated daily. Scholars and Members of Congress will discuss the electrification revolution of automobiles as well as other key topics discussed during the conference.

#### **TUESDAY, August 15:**

US Participants return to the United States

Flights to the US depart between 10 am and 2 pm.

Sen. Dick Durbin and Mrs. Durbin depart Oslo at 12:50 pm on Scandinavian Airlines flight 868 and arrive in Chicago at 6:35 pm.

#### **Appendix to Private Sponsor Travel Certification Form**

Aspen Institute Congressional Program - Energy Conference - Aug. 9-15, 2017

Question 1. Sponsor(s) of the trip (please list all sponsors) – The Aspen Institute, Inc. (Congressional Program)

Aspen Institute is the sole sponsor of this energy conference. The organization has received general support and unrestricted funds from The Henry Luce Foundation, Democracy Fund foundation, Rockefeller Brothers Fund foundation, the John D. and Catherine T. MacArthur Foundation. These foundation funds were not earmarked for a specific trip.

Question 14. On occasion, other policy and public programs of the Aspen Institute sponsor trips that involve members of Congress or congressional staff.

Question 15. The Aspen Institute holds numerous educational activities, including conferences, roundtables, briefings and other nonpartisan forums on critical issues facing the U.S. and the world.

#### Question 16.

Daily breakdown of meeting room expenses and conference service fees for the total of \$1,084:

Aug. 11 - \$271

Aug. 12 - \$271

Aug. 13 - \$271

Aug. 14 - \$271